

## **Projects WILD, WILD Aquatic, and Learning Tree**

### **Listing of Middle School (Grades 5 – 8) Activities by National Science Standards**

Activities were selected because they address pertinent concepts and issues related to Iowa's Natural Resources and they address national content standards at the stated grade levels. There are many more relevant activities – this is meant to be a starting point for teachers looking to integrate teaching about Iowa's Natural Resources.

Most activities address unifying concepts and processes, so they are not listed separately in this document.

### **Standard A: Science as Inquiry**

#### ***Project Learning Tree***

No correlation

#### ***Project WILD***

- |                                   |   |
|-----------------------------------|---|
| I Ecosystem Facelift              | III Hazardous Links, Possible Solutions         |
| I Oh Deer!                        | III Here Today, Gone Tomorrow                   |
| I Planting Animals                | III Improving Wildlife Habitat in the Community |
| I Which Niche?                    | III Migration Barriers                          |
| II Changing Attitudes             | III Rare Bird Eggs For Sale                     |
| II History of Wildlife Management | III Riparian Zone                               |
| III Changing the Land             | III Shrinking Habitat                           |
| III Checks and Balances           |   |

#### ***Project WILD Aquatic***

- |                         |                             |
|-------------------------|-----------------------------|
| I Blue Ribbon Niche     | III Alice in Waterland      |
| I Designing a Habitat   | III Aquatic Roots           |
| I The Edge of Home      | III Dragonfly Pond          |
| I Fishy Who's Who       | III Puddle Wonders!         |
| I Micro Odyssey         | III Something's Fishy Here! |
| I Water Canaries        | III To Dam or Not to Dam    |
| I Wetland Metaphors     | III Watershed               |
| I Where Does Water Run? |                             |

### **Standard B: Physical Science**

#### ***Project Learning Tree***

- |                           |                                  |
|---------------------------|----------------------------------|
| #27 Every Tree for Itself | #42 Sunlight and Shades of Green |
| #28 Air Plants            | #48 Field, Forest and Stream     |
| #41 How Plants Grow       |                                  |

### ***Project WILD***

No correlation

### ***Project WILD Aquatic***

I Designing a Habitat

III Alice in Waterland

III Something's Fishy Here!

III To Dam or Not to Dam

III Watershed

## **Standard C: Life Science**

### ***Project Learning Tree***

#10 Charting Diversity

#11 Can it be Real?

#14 Renewable or Not?

#23 The Fallen Log

#26 Dynamic Duos

#27 Every Tree for Itself

#28 Air Plants

#41 How Plants Grow

#42 Sunlight and Shades of Green

#47 Are Vacant Lots Vacant?

#48 Field, Forest and Stream

#70 Soil Stories

#71 Watch on Wetlands

#76 Tree Cookies

#80 Nothing Succeeds Like Succession

#86 Our Changing World

#88 Life on the Edge

#94 By the Rivers of Babylon

### ***Project WILD***

I Ecosystem Facelift

I How Many Bears Can Live in This Forest?

I Oh Deer!

I Planting Animals

I Which Niche?

II Changing Attitudes

II History of Wildlife Management

III Changing the Land

III Checks and Balances

III Hazardous Links, Possible Solutions

III Here Today, Gone Tomorrow

III Hunter (The)

III Improving Wildlife Habitat in the Community

III Migration Barriers

III Rare Bird Eggs For Sale

III Riparian Zone

III Shrinking Habitat

### ***Project WILD Aquatic***

I Blue Ribbon Niche

I Designing a Habitat

I The Edge of Home

I Fishy Who's Who

I Micro Odyssey

I Migration Headache

I Water Canaries

I Wetland Metaphors

I Where Does Water Run?

III Alice in Waterland

III Aquatic Roots

III Dragonfly Pond

III Puddle Wonders!

III Something's Fishy Here!

III To Dam or Not to Dam

III Watershed

## **Standard D: Earth and Space Science**

### ***Project Learning Tree***

- |                                  |                                      |
|----------------------------------|--------------------------------------|
| #23 The Fallen Log               | #70 Soil Stories                     |
| #28 Air Plants                   | #71 Watch on Wetlands                |
| #41 How Plants Grow              | #80 Nothing Succeeds Like Succession |
| #42 Sunlight and Shades of Green | #86 Our Changing World               |
| #48 Field, Forest and Stream     |                                      |

### ***Project WILD***

No correlation

### ***Project WILD Aquatic***

- |                         |                             |
|-------------------------|-----------------------------|
| I Blue Ribbon Niche     | III Alice in Waterland      |
| I Designing a Habitat   | III Dragonfly Pond          |
| I The Edge of Home      | III Something's Fishy Here! |
| I Fishy Who's Who       | III To Dam or Not to Dam    |
| I Water Canaries        | III Watershed               |
| I Where Does Water Run? |                             |

## **Standard E: Science & Technology**

### ***Project Learning Tree***

- #14 Renewable or Not?  
#88 Life on the Edge  
#94 By the Rivers of Babylon

### ***Project WILD***

- |  |                             |
|--|-----------------------------|
| I Planting Animals                                 | III Migration Barriers      |
| II Changing Attitudes                              | III Rare Bird Eggs For Sale |
| III Checks and Balances                            | III Riparian Zone           |
| III Hazardous Links, Possible Solutions            | III Shrinking Habitat       |
| III Improving Wildlife Habitat in the<br>Community |                             |

### ***Project WILD Aquatic***

- |                        |                             |
|------------------------|-----------------------------|
| I Designing a Habitat  | III Dragonfly Pond          |
| I The Edge of Home     | III Something's Fishy Here! |
| I Micro Odyssey        | III To Dam or Not to Dam    |
| I Water Canaries       | III Watershed               |
| III Alice in Waterland |                             |

## **Standard F: Science in Personal and Social Perspectives**

### ***Project Learning Tree***

- #14 Renewable or Not?
- #27 Every Tree for Itself
- #28 Air Plants
- #71 Watch on Wetlands

- #76 Tree Cookies
- #86 Our Changing World
- #88 Life on the Edge
- #94 By the Rivers of Babylon

### ***Project WILD***

- I Oh Deer!
- I Planting Animals
- II Changing Attitudes
- II History of Wildlife Management
- II Pay to Play
- III Checks and Balances
- III Hazardous Links, Possible Solutions
- III Here Today, Gone Tomorrow

- III Hunter (The)
- III Improving Wildlife Habitat in the Community
- III Migration Barriers
- III Rare Bird Eggs For Sale
- III Riparian Zone
- III Shrinking Habitat

### ***Project WILD Aquatic***

- I Blue Ribbon Niche
- I Designing a Habitat
- I The Edge of Home
- I Migration Headache
- I Water Canaries
- I Wetland Metaphors
- III Alice in Waterland

- III Aquatic Roots
- III Dragonfly Pond
- III Puddle Wonders!
- III Something's Fishy Here!
- III To Dam or Not to Dam
- III Watershed

## **Standard G: History and Nature of Science**

### ***Project Learning Tree***

- #71 Watch on Wetlands
- #94 By the Rivers of Babylon

### ***Project WILD***

- I Ecosystem Facelift
- I Oh Deer!
- I Planting Animals
- II Changing Attitudes
- II History of Wildlife Management
- II Pay to Play

- III Checks and Balances
- III Hazardous Links, Possible Solutions
- III Migration Barriers
- III Rare Bird Eggs For Sale
- III Riparian Zone
- III Shrinking Habitat

### ***Project WILD Aquatic***

- III Dragonfly Pond
- III Something's Fishy Here!

- III To Dam or Not to Dam
- III Watershed